

Syllabus



ENGR 060 Program and Problem-Solving in MATLAB

Section 32846, Fall 2020

How to Contact Me

Type	Information
Instructor	Instructor: Thomas J. Sanford, P.E.
Faculty Web Page	https://www.westvalley.edu/faculty/sanford_t.html
Phone	408-741-4608
Email	Use Canvas email
Office Location	Zoomlink: https://cccconfer.zoom.us/j/9c9e9qgzguGtH1oD6qrAWDrY47XiSuAfi password 367535
Office Hours	7:00 – 7:45 am
Class Days, Time, Location	MW 7:45 – 10:45
Course Format	Online

Welcome to ENGR 60 MATLAB?

a course that should help you accomplish your goals in pursuing an engineering, a physics, a science or math education.

Course Information

Catalog Description: This course utilizes the MATLAB environment to provide students with a working knowledge of computer-based problem-solving methods relevant to science and engineering. It introduces the fundamentals of procedural programming, numerical analysis, and data structures. Examples and assignments in the course are drawn from practical applications in engineering, physics, and mathematics.

Student Learning Outcomes: Solve engineering problems via MATLAB using a symbolic language to deliver a correct solution.

Required Texts and Materials

- An Engineer's Introduction to Programming with MATLAB 2019 by Shawna Lockhart, Eric Tilleson; Published June 17, 2019, ISBN 978-1-63057-292-1
- MATLAB software OR Download free shareware called OCTAVE GNU

Assignments

You'll start each week with reading the chapter. You'll do lab(s), notes, quiz(s); You start on Monday and finish by Saturday at 11 pm.

Notebook

Weekly homework requires a recording all your transactions to a notebook. See the Notebook checksheet and schedule for the due date. Student samples are provided as to how to organize it.

Grading

<u>Exercises</u>	<u>Points</u>	
Labs, Quizzes, Notebook, Homework.....	50	(presentation quality, content)
Exams.....	<u>50</u>	(25 points each for Midterm and Final)
Total Possible.....	100	

Grade Distribution

<u>Points</u>	<u>Grade</u>	<u>Definition</u>	<u>Number of Grade Points</u>
90-100	A	Superior	4.0
80-89	B	Above Average	3.0
70-79	C	Average	2.0
60-69	D	Passing	1.0
59 OR LESS		Failure	0

West Valley College Policies

It's important for you to be aware of policies in the [West Valley College Catalog](#). Below are a few key policies from the *Rights and Responsibilities* section you should know about.

- **Attendance:** Know that instructors may drop any student who does not attend the first class, who has missed any one class during the first three weeks of instruction, or who has missed more than ten percent of the total class hours for the semester.
- **Registration and Drops:** Understand that it is your responsibility to make sure you are registered and/or dropped from any class by the deadlines listed in the schedule of classes.
- **Withdrawal from a class:** Make sure you know the last "day to drop with a W." (Put that date in your calendar!) Even if you ask an instructor to drop you, it is still your responsibility, so double-check your enrollment status in the Portal. It's important to know that instructors are *required to issue a grade* for any student still enrolled after the last day to drop.
- **Academic Dishonesty:** Understand what this means--it includes in-class cheating, out-of-class cheating, plagiarism, helping another student in cheating or plagiarism, or knowingly giving false information to College staff, faculty, administrators or other officials. (See the *Rights and Responsibilities, Academic Dishonesty* section for more information and further definitions.)

Important Dates

- Last day to ADD this class: Thursday, 10 Sep 2020
- Last day to DROP this class without a "W" and with a refund: Sunday 13 Sep 2020



- Last day to DROP this class with a "W:" 20 Nov 2020
- FINAL EXAM for this class: 14 Dec 2020

West Valley College Nondiscrimination Statement

The District, and each individual who represents the District, shall provide access to its services, classes and programs without regard to national origin, religion, age, sex or gender, race, color, medical condition, ancestry, sexual orientation, marital status, physical or mental disability, or because he/she is perceived to have one or more of the foregoing characteristics, or based on association with a person or group with one or more of these actual or perceived characteristics.

Accommodations for a Disability

West Valley College strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability (including permanent disabilities or chronic or temporary medical conditions), please let me know immediately so that we can privately discuss options. You are also welcome to register with the Disability and Educational Support Program to establish reasonable accommodations. After registration, DESP will notify of your approved accommodations.

Disability and Educational Support (DESP) Contact Information

The DESP office is located in the LS building. Their phone number is (408) 741-2010 (voice) or (408) 741-2658 (TTY). Information about their services can be found at westvalley.edu/desp.

Student Help and Support

West Valley College has many Student Services that are here to support your success and help you achieve your goals. Check them out at westvalley.edu/services. ☑

Emergency Information

Be prepared! Review the college's Emergency Preparedness information at westvalley.edu/emergency. It is recommend putting WVC emergency numbers into your phone.

Special Notes:

1. Regular Attention/Connection to Class is key to educational success. Random rolls taken.
2. Late work/non-continuous contact loss results: 10% cut then 50% after answers revealed.
3. Study all the required chapters for tests, independent of the lecture pace.
4. No video/audio (tape) recording without prior written instructor permission.
5. Syllabus subject to change without notice due to changing conditions of course. Check often.
6. Internet to be used for the purpose of education in classroom topics only.
7. Problems: first talk to the instructor, detail problem in writing, then schedule an appointment.